

APR 06 2009

PTO/SB/08 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 6, 2009

(use as many sheets as necessary)

Sheet

1

of

6

Complete if Known

Application Number	10/584,243
Filing Date	11/29/2004
First Named Inventor	Masanori NAKAMURA
Art Unit	1793
Examiner Name	Cam N NGUYEN
Attorney Docket Number	040302-0567

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-2001/0004832-A1	06-28-2001	HANAKI ET AL.	
	A2	US-2001/0006934-A1	07-05-2001	KACHI ET AL.	
	A3	US-2001/0021358-A1	09-13-2001	KIKUCHI ET AL.	
	A4	US-2002/0045543-A1	04-18-2002	TAKATORI ET AL.	
	A5	US-2003/0004054-A1	01-02-2003	ITO ET AL.	
	A6	US-2003/0083193-A1	05-01-2003	TAKAYA ET AL.	
	A7	US-2003/0167752-A1	09-11-2003	NIWA ET AL.	
	A8	US-2003/0181316-A1	09-25-2003	HIRAMOTO ET AL.	
	A9	US-2004/0055280-A1	03-25-2004	NISHIZAWA ET AL.	
	A10	US-2004/0254069-A1	12-16-2004	ITO, JUNJI	
	A11	US-2005/0170958-A1	08-04-2005	KIKUCHI ET AL.	
	A12	US-2005/0215429-A1	09-29-2005	WAKAMATSU ET AL.	
	A13	US-2005/0221978-A1	10-06-2005	SHIRATORI ET AL.	
	A14	US-2007/0155626-A1	07-05-2007	YASUDA ET AL.	
	A15	US-2007/0167319-A1	07-19-2007	SHIRATORI ET AL.	
	A16	US-2007/0203021-A1	08-30-2007	NAKAMURA ET AL.	
	A17	US-2007/0244001-A1	10-18-2007	WAKAMATSU ET AL.	
	A18	US-2,980,662-	04-18-1961	JEZL	
	A19	US-3,255,020-	06-07-1966	FERRELL	
	A20	US-3,266,477-	08-16-1966	STILES	
	A21	US-3,271,322-	09-06-1966	STILES	
	A22	US-3,357,916-	12-12-1967	SMITH	
	A23	US-3,388,077-	06-11-1968	HOEKSTRA	
	A24	US-3,478,329-	11-11-1969	ETIENNE DE RUDNAY	
	A25	US-3,531,329-	09-29-1970	SELWITZ	
	A26	US-3,649,566-	03-14-1972	HAYES ET AL.	
	A27	US-4,255,289-	03-10-1981	BALINSKY ET AL.	
	A28	US-4,255,290-	03-10-1981	FLAGG ET AL.	
	A29	US-4,261,862-	04-14-1981	KINOSHITA ET AL.	
	A30	US-4,274,981-	06-23-1981	SUZUKI ET AL.	
	A31	US-4,369,132-	01-18-1983	KINOSHITA ET AL.	
	A32	US-4,374,046-	02-15-1983	ANTOS	
	A33	US-4,425,261-	01-10-1984	STENIUS ET AL.	
	A34	US-4,444,721-	04-24-1984	OHKATA, ICHIZO	
	A35	US-4,495,304-	01-22-1985	YOO ET AL.	
	A36	US-4,539,311-	09-03-1985	HARRISON ET AL.	
	A37	US-4,548,921-	10-22-1985	GEUS ET AL.	
	A38	US-4,714,693-	12-22-1987	TARGOS	
	A39	US-4,716,087-	12-29-1987	ITO ET AL.	
	A40	US-4,738,947-	04-19-1988	WAN ET AL.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 6, 2009 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/584,243
				Filing Date	11/29/2004
				First Named Inventor	Masanori NAKAMURA
				Art Unit	1793
				Examiner Name	Cam N NGUYEN
Sheet	2	of	6	Attorney Docket Number	040302-0567

U.S. PATENT DOCUMENTS

	Document Number		
A41	US-4,758,418-	07-19-1988	YOO ET AL.
A42	US-4,765,874-	08-23-1988	MODES ET AL.
A43	US-4,793,797-	12-27-1988	KATO ET AL.
A44	US-4,839,146-	06-13-1989	CHO ET AL.
A45	US-4,904,633-	02-27-1990	OHATA ET AL.
A46	US-4,969,265-	11-13-1990	EHARA, HIDEHARU
A47	US-5,068,218-	11-26-1991	NISHIZAWA
A48	US-5,108,469-	04-28-1992	CHRIST, MICHAEL
A49	US-5,112,787-	05-12-1992	FALKE ET AL.
A50	US-5,122,496-	06-16-1992	VORLOP ET AL.
A51	US-5,248,650-	09-28-1993	SEKIBA ET AL.
A52	US-5,318,757-	06-07-1994	ABE ET AL.
A53	US-5,395,406-	03-07-1995	CLAVENNA ET AL.
A54	US-5,427,989-	06-27-1995	KANESAKA ET AL.
A55	US-5,446,003-	08-29-1995	AUGUSTINE ET AL.
A56	US-5,610,117-	03-11-1997	HORIUCHI ET AL.
A57	US-5,622,048-	04-22-1997	AOYAMA ET AL.
A58	US-5,640,847-	06-24-1997	NAKAJIMA ET AL.
A59	US-5,644,912-	07-08-1997	KAWAMURA
A60	US-5,677,258-	10-14-1997	KUROKAWA ET AL.
A61	US-5,750,458-	05-12-1998	KENNELLY ET AL.
A62	US-5,814,576-	09-29-1998	YAMAMOTO, SHINJI
A63	US-5,814,577-	09-29-1998	PARK ET AL.
A64	US-5,849,660-	12-15-1998	TAKEMOTO ET AL.
A65	US-5,911,961-	06-15-1999	HORIUCHI ET AL.
A66	US-5,916,839-	06-29-1999	PAK ET AL.
A67	US-5,977,012-	11-02-1999	KHARAS ET AL.
A68	US-6,047,544-	04-11-2000	YAMAMOTO ET AL.
A69	US-6,057,263-	05-02-2000	TAKAHASHI ET AL.
A70	US-6,066,410-	05-23-2000	AUER ET AL.
A71	US-6,066,587-	05-23-2000	KUROKAWA ET AL.
A72	US-6,069,111-	05-30-2000	YAMAMOTO ET AL.
A73	US-6,080,371-	06-27-2000	TANABE ET AL.
A74	US-6,083,467-	07-04-2000	TAKESHIMA ET AL.
A75	US-6,107,239-	08-22-2000	QIN ET AL.
A76	US-6,110,862-	08-29-2000	CHEN ET AL.
A77	US-6,172,000-B1	01-09-2001	CHATTHA ET AL.
A78	US-6,180,075-B1	01-30-2001	LINDNER ET AL.
A79	US-6,221,805-B1	04-24-2001	YAMASHITA ET AL.
A80	US-6,228,800-B1	05-08-2001	YAMAGUCHI ET AL.
A81	US-6,284,201-B1	09-04-2001	BUCK, ALFRED
A82	US-6,296,813-B1	10-02-2001	ISHII ET AL.

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 6, 2009 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/584,243
				Filing Date	11/29/2004
				First Named Inventor	Masanori NAKAMURA
				Art Unit	1793
				Examiner Name	Cam N NGUYEN
Sheet	3	of	6	Attorney Docket Number	040302-0567

U.S. PATENT DOCUMENTS					
		Document Number			
	A83	US-6,306,794-B1	10-23-2001	SUZUKI ET AL.	
	A84	US-6,335,305-B1	01-01-2002	SUZUKI ET AL.	
	A85	US-6,370,870-	04-16-2002	KAMIJO ET AL.	
	A86	US-6,444,610-	09-03-2002	YAMAMOTO, SHINJI	
	A87	US-6,475,446-	11-05-2002	HORIIKE ET AL.	
	A88	US-6,503,862-	01-07-2003	YAMAMOTO, SHINJI	
	A89	US-6,511,642-B1	01-28-2003	HATANAKA ET AL.	
	A90	US-6,514,905-B1	02-04-2003	HANAKI ET AL.	
	A91	US-6,518,213-	02-11-2003	YAMAMOTO ET AL.	
	A92	US-6,569,803-B2	05-27-2003	TAKEUCHI	
	A93	US-6,589,901-B2	07-08-2003	YAMAMOTO ET AL.	
	A94	US-6,623,716-B2	09-23-2003	SUGA ET AL.	
	A95	US-6,660,897-B1	12-09-2003	MARTCHAL-GEORGE ET AL.	
	A96	US-6,680,279-B2	01-20-2004	CAI ET AL.	
	A97	US-6,729,125-B2	05-04-2004	SUGA ET AL.	
	A98	US-6,756,336-B2	06-29-2004	KASAHARA ET AL.	
	A99	US-6,764,665-B2	07-20-2004	DEEBA ET AL.	
	A100	US-6,787,500-B2	09-07-2004	ITO ET AL.	
	A101	US-6,800,388-B2	10-05-2004	KANEKO ET AL.	
	A102	US-6,861,372-B2	03-01-2005	RUTH ET AL.	
	A103	US-6,861,387-B2	03-01-2005	RUTH ET AL.	
	A104	US-6,887,443-B2	05-03-2005	SUGA ET AL.	
	A105	US-6,887,444-B1	05-03-2005	YAMAMOTO, SHINJI	
	A106	US-6,896,857-B2	05-24-2005	NAKAMURA ET AL.	
	A107	US-6,926,875-B2	08-09-2005	HATANAKA ET AL.	
	A108	US-6,967,183-B2	11-22-2005	HAMPDEN-SMITH ET AL.	
	A109	US-7,029,514-B1	04-18-2006	YANG ET AL.	
	A110	US-7,041,866-B2	05-09-2006	GILLESPIE	
	A111	US-7,081,431-B2	07-25-2006	YAMASHITA ET AL.	
	A112	US-7,150,861-B2	12-19-2006	MORITA ET AL.	
	A113	US-7,351,679-B2	04-01-2008	ERI ET AL.	
	A114	US-RE 31,719-	10-30-1984	SONETAKA ET AL.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			
	A115	11/722275	06-20-2007	NAKAMURA ET AL.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 6, 2009 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/584,243
				Filing Date	11/29/2004
				First Named Inventor	Masanori NAKAMURA
				Art Unit	1793
				Examiner Name	Cam N NGUYEN
Sheet	4	of	6	Attorney Docket Number	040302-0567

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	A116	JP-07-246343-A	12-25-1984	NIPPON SHOKUBAI KAGAKU KOGYO CO., LTD.		Abst.
	A117	JP-10-216517-A	08-18-1998	TOYOTA MOTOR CORP.		Abst.
	A118	EP-1 494 304-A1	01-05-2005	NISSAN MOTOR CO., LTD.		
	A119	JP-2000-001119-A	01-07-2000	CALSONIC CORP.		Abst.
	A120	JP-2000-015098-A	01-18-2000	JAPAN SCIENCE & TECHNOLOGY CORP., ET AL.		Abst.
	A121	JP-2000-042411-A	02-15-2000	TOYOTA MOTOR CORP., ET AL.		Abst.
	A122	JP-2000-279824-A	10-10-2000	TANAKA PRECIOUS METAL IND., ET AL.		Abst.
	A123	JP-2001-198466-A	07-24-2001	TOYOTA MOTOR CORP.		Abst.
	A124	JP-2002-102703-A	04-09-2002	TOYOTA MOTOR CORP.		Abst.
	A125	JP-2003-080077-A	03-18-2003	DENSO CORP., ET AL.		Abst.
	A126	JP-2003-126694-A	05-07-2003	TOYOTA MOTOR CORP.		Abst.
	A127	JP-2003-144923-A	05-20-2003	TOYOTA MOTOR CORP.		Abst.
	A128	JP-2003-181290-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A129	JP-2003-181293-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A130	JP-2003-290658-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A131	JP-2003-290667-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A132	JP-2003-311128-A	11-05-2003	TOYOTA MOTOR CORP.		Abst.
	A133	JP-2004-174490-A	06-24-2004	MAZDA MOTOR CORP.		Abst.
	A134	WO-2005/063390-A1	07-14-2005	NISSAN MOTOR CO., LTD.		Abst.
	A135	WO-2005/063391-A1	07-14-2005	NISSAN MOTOR CO., LTD.		Abst.
	A136	JP-2005-305300-A	11-04-2005	TOYOTA MOTOR CORP.		Abst.
	A137	JP-3251009-B2	11-16-2001	TOYOTA CENTRAL RES & DEV LAB INC., ET AL.		Abst.
	A138	EP-0 466 984-A1	01-22-1992	UOP		
	A139	JP-59-230639-A	12-25-1984	NIPPON SHOKUBAI KAGAKU, ET AL.		Abst.
	A140	EP-0 931 590-B1	07-28-1999	MAZDA MOTOR CORP.		
	A141	EP-0 940 176-A2	09-08-1999	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	A142	WO-97/09114-A1	03-13-1997	INSTITUTIONEN FOR KEMITEKNIK KEMISK TEKNOLOGI KTH		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 6, 2009 <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/584,243
		Filing Date	11/29/2004
		First Named Inventor	Masanori NAKAMURA
		Art Unit	1793
		Examiner Name	Cam N NGUYEN
Sheet	5	of	6
		Attorney Docket Number	040302-0567

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A143	A. Martinez-Arias et al., "Study of the lean NO _x reduction with C ₃ H ₆ in the presence of water over silver/alumina catalysts prepared from inverse microemulsions," Applied Catalysts B: Environmental, Vol. 28, 2000, pages 29-41.	
	A144	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 03-19-2009, 8 pgs.	
	A145	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 10-02-2008, 15 pgs.	
	A146	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 03-04-2009, 6 pgs.	
	A147	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 05-12-2008, 7 pgs.	
	A148	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 07-21-2008, 5 pgs.	
	A149	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 08-25-2008, 20 pgs.	
	A150	H. YASUDA et al., US PTO Office Action 10/586,533, dated 07-14-2008, 6 pgs.	
	A151	H. YASUDA et al., US PTO Office Action 10/586,533, dated 11-18-2008, 16 pgs.	
	A152	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 07-11-2008, 5 pgs.	
	A153	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 11-18-2008, 19 pgs.	
	A154	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 03-12-2009, 7 pgs.	
	A155	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 05-08-2008, 6 pgs.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 6, 2009 <i>(use as many sheets as necessary)</i>		Application Number	10/584,243
		Filing Date	11/29/2004
		First Named Inventor	Masanori NAKAMURA
		Art Unit	1793
		Examiner Name	Cam N NGUYEN
Sheet	6	of	6
		Attorney Docket Number	040302-0567

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A156	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 07-28-2008, 18 pgs.	
	A157	M. CHE et al., "A Study of the Chemisorption of Nitric Oxide on PdY Zeolite, Evidence for a Room Temperature Oxidative Dissolution of Pd Crystallinities," The Journal of Physical Chemistry, Vol. 60, No. 21, 1976, 11 pgs.	
	A158	M. NAKAMURA et al., US PTO Office 10/589,890, dated 07-15-2008, 5 pgs.	
	A159	M. NAKAMURA et al., US PTO Office 10/589,890, dated 11-19-2008, 13 pgs.	
	A160	PH. BUFFAT AND J-P BOREL, "Size effect on the melting temperature of gold particles," Physical Review A, June 1976, Vol. 13, No. 6, 12 pgs.	
	A161	R. WILLIS, "PUMICE, Porous Volcanic Rock," Online, XP002364316, URL: http://ceramic-materials.com/ceramat/material/2009.html .	
	A162	S. ERIKSSON, et al., "Preparation of Catalysts from Microemulsions and Their Applications in Heterogeneous Catalysis," Applied Catalysis A: General, Vol. 265, No. 2, July 8, 2004, pp. 207-219.	
	A163	T. Kinoshita et al., "Magnetic evaluation of nanostructure of gold-iron composite particles synthesized by a reverse micelle method," Journal of Alloys and Compounds, Vol. 359, No. 1-2, Sept. 22, 2003, pages 46-50.	
	A164	T. Shimizu et al., "Size Evolution of Alkanethiol-Protected Gold Nanoparticles by Heat Treatment in the Solid State," J. Phys. Chem. B, 107, 2003, pages 2719-2724.	
	A165	W.Y. Kim et al., "Methanol synthesis from syngas over supported palladium catalysts prepared using water-in-oil microemulsion," Applied Catalysis A: General, Vol. 169, 1998, pages 157-164.	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.